GAURAV SINGH
Software Engineer

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EXPERIENCE

ROBOMQ | Software Engineer   Jaipur, India | Sep 2022 – Oct 2024

- **Hire2Retire:** Collaborated with other teams for develop Hire2Retire IGA platform, saving $700,000 annually for average-sized companies. Improved onboarding rates by 30% through OAuth-based sync with Azure AD. Led ITSM integration for streamlined HR-IT processes and enhanced workflows.
- **Form Handler Innovations:** Crafted and implemented various form handlers including Checkbox, Dropdown, and Multi-select using Angular Reactive Forms, enhancing form functionality and user interaction.
- **Multiple Leave:** Developed a comprehensive solution for supporting multiple leave types within the software features for our products. Led the redesign of the user interface for the Hire2Retire platform improving user experience.
- **RSA Key Pair:** Implemented and configured RSA key pairs for secure data encryption, strengthening system security for over 50 data transactions. Enhanced cryptographic solutions, reducing potential security vulnerabilities by 30%.
- **Jest:** Implemented the Jest testing framework for rigorous and efficient unit testing, increasing test coverage by 85%. Improved code reliability by identifying and resolving 30% more potential issues early in the development process.
- **Backward Compatibility Script:** Developed a script to ensure backward compatibility for 10+ software versions, minimizing disruptions during upgrades. Enhanced overall system stability by reducing version-related issues by 40%.
- **API Development for Encryption:** Developed and optimized APIs for integration with over 10 platforms, including Jira, AzureAD, and Microsoft Teams, increasing product interoperability by 35%. Led the implementation of data encryption protocols, enhancing security and improving workflow automation by 25%.

GREAT LEARNING | Research Analyst   Bangalore, India | Feb 2022 – July 2022

- Solely responsible for over 200 pages of original, copyright-free course-pack material and developed over 100 unit-wise assessment questions for over 5 computer science courses, including DAA, Java, Operating Systems, DBMS, and Machine Learning, demonstrating strong research and communication skills.

SKILLS

Programming Languages	Javascript, Java, HTML/CSS
Libraries/Frameworks	Node.js, Angular.js, React.js
Tools / Platforms	Git, Github, AWS, Docker
Databases	MySQL, MongoDB

PROJECTS

POKEMON-FINDER | Link   React.js, Node.js, CSS, Git

- A Pokemon finder application featuring a search function and paginated results, displaying the stats of 10 Pokemon per page from a larger pool retrieved via API.

JSON-PLAYGROUND | Link   React.js, CSS, JSON, Git

- Web application for effortless JSON parsing and compression, featuring a large view for detailed analysis and history retention of up to 10 parses. Streamlines workflow and boosts productivity by simplifying JSON management.

EDUCATION

BIT - MESRA | Masters in Computer Application (MCA)   Sep 2020 - May 2022
CGPA: 8.56   Ranchi, India